## Oklahoma TEEN BIRTH REPORT

1991 - 2013

published October 2015

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# Oklahoma TEEN BIRTH REPORT 1991 - 2013

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#### **LIVE BIRTH**

An infant with signs of life at birth

#### **BIRTH RATE**

The number of live births / total population x 1,000

#### **AGE-SPECIFIC BIRTH RATE**

Number of live births in specified age group/population of females in specified age group X 1,000

#### **PREVIOUS LIVE BIRTH**

When a female has had one or more pregnancies that resulted in a live birth

#### **BIRTH WEIGHT**

The weight in grams of a newborn

- Very low birth weight (≤ 1,499 grams)
- Moderately low birth weight (1,500-2,449 grams)
- · Normal birth weight (2,500-3,999 grams)
- High birth weight (≥ 4,000 grams)

#### **GESTATIONAL AGE**

The age of a fetus measured in the number of weeks from mother's last reported menses to birth

- Preterm (< 37 weeks)</li>
- Early term (37-38 weeks)
- · Full term (39-40 weeks)
- · Late term (41 weeks)
- · Post term (≥ 42 weeks)



#### RATE OF TEEN BIRTHS BY AGE OF MOTHER

	15 - 17 years		18 - 19	years	Total (15 - 19)		
Year	#	Rate	#	Rate	#	Rate	
1991	2,708	41.0	5,273	115.8	7,981	71.5	
1992	2,751	41.3	5,046	109.8	7,797	69.3	
1993	2,744	40.6	4,993	107.0	7,737	67.7	
1994	2,823	40.8	4,782	100.2	7,605	65.0	
1995	2,763	38.9	4,785	97.8	7,548	63.0	
1996	2,758	37.8	4,939	98.3	7,697	62.5	
1997	2,819	37.7	5,146	99.8	7,965	63.0	
1998	2,704	35.2	5,174	97.9	7,878	60.8	
1999	2,514	32.5	5,169	96.9	7,683	58.8	
2000	2,492	32.1	5,219	98.7	7,711	59.1	
2001	2,322	30.4	5,145	97.1	7,467	57.7	
2002	2,216	29.3	5,086	97.9	7,302	57.2	
2003	2,118	28.3	4,855	94.3	6,973	55.2	
2004	2,145	28.9	4,704	90.8	6,849	54.3	
2005	2,020	26.8	4,662	91.0	6,682	52.7	
2006	2,281	29.9	4,944	96.1	7,225	56.6	
2007	2,293	29.9	5,230	100.3	7,523	58.3	
2008	2,300	30.3	5,192	96.8	7,492	57.8	
2009	2,203	29.4	5,241	95.9	7,444	57.4	
2010	1,917	25.9	4,573	83.7	6,490	50.4	
2011	1,684	22.9	4,335	82.6	6,019	47.8	
2012	1,667	22.8	4,176	83.0	5,843	47.3	
2013	1,518	20.5	3,792	76.1	5,310	42.9	

Birth Rate= Number of live births per 1,000 females in specified age group

Oklahoma 1991 - 2013

Source: Oklahoma State Department of Health (OSDH), Center for Health Statistics, Health Care Information, Vital Statistics 1991 to 2013, on Oklahoma Statistics on Health Available for Everyone (OK2SHARE). Accessed at http:// www.health.ok.gov/ok2share on 27JAN2015:14:12:42.



#### RATE OF TEEN BIRTHS BY AGE OF MOTHER



Birth Rate= Number of live births per 1,000 females in specified age group

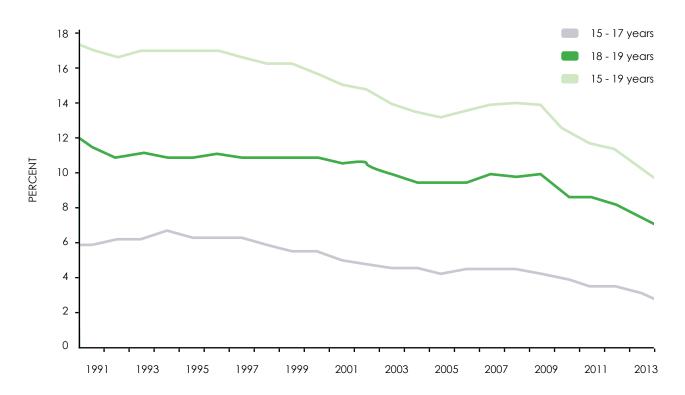


#### PERCENT OF TEEN BIRTHS TO ALL BIRTHS BY AGE OF MOTHER

	15 - 17 years	18 - 19 years	Total (15 - 19)
Year	%	%	%
1991	5.7	11.1	16.8
1992	5.8	10.6	16.4
1993	6.0	10.8	16.8
1994	6.2	10.5	16.7
1995	6.1	10.6	16.7
1996	6.0	10.7	16.7
1997	5.9	10.7	16.6
1998	5.5	10.5	16.0
1999	5.2	10.7	15.9
2000	5.0	10.5	15.5
2001	4.6	10.3	14.9
2002	4.4	10.1	14.5
2003	4.2	9.5	13.7
2004	4.2	9.2	13.4
2005	3.9	9.0	12.9
2006	4.2	9.2	13.4
2007	4.2	9.5	13.7
2008	4.2	9.5	13.7
2009	4.0	9.6	13.6
2010	3.6	8.6	12.2
2011	3.2	8.3	11.5
2012	3.2	7.9	11.1
2013	2.8	7.1	9.9
			Oklahoma 1991 - 2013



#### PERCENT OF TEEN BIRTHS OF ALL BIRTHS BY AGE OF MOTHER





#### RATE OF TEEN BIRTHS BY RACE / ETHNICITY OF MOTHER

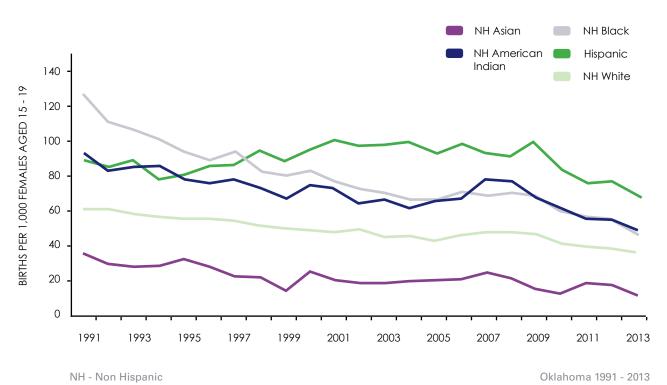
	NH Am	. Indian	NH A	Asian	NH B	lack	Hisp	anic	NH V	Vhite
Year	#	Rate	#	Rate	#	Rate	#	Rate	#	Rate
1991	1,062	92.6	49	35.2	1,353	128.7	363	89.3	5,144	61.2
1992	977	84.9	41	29.0	1,224	112.5	380	85.1	5,162	61.2
1993	1,030	87.1	40	27.6	1,200	108.8	434	89.1	5,022	59.0
1994	1,027	84.2	44	29.1	1,169	102.5	416	78.2	4,942	57.1
1995	1,010	79.4	51	32.5	1,117	94.8	464	80.3	4,898	55.6
1996	1,017	76.4	46	27.6	1,091	89.2	545	85.8	4,989	55.6
1997	1,104	79.0	42	23.5	1,158	93.7	593	86.2	5,033	55.1
1998	1,090	74.9	44	22.5	1,060	83.6	716	95.5	4,887	52.6
1999	1,016	68.1	28	13.7	1,019	80.2	730	89.8	4,744	51.1
2000	1,144	75.8	54	25.3	1,047	83.3	810	95.4	4,577	49.6
2001	1,138	73.9	47	21.7	979	78.0	920	101.0	4,370	48.5
2002	1,020	66.1	42	19.2	923	73.6	919	96.7	4,394	50.0
2003	1,031	67.7	42	19.4	906	71.9	957	97.8	4,021	46.4
2004	969	63.3	43	19.6	860	67.5	1,019	99.4	3,923	45.8
2005	1,024	66.3	44	19.6	881	67.9	1,017	93.7	3,690	43.3
2006	1,078	68.8	50	20.9	940	70.5	1,131	98.8	3,990	47.0
2007	1,251	78.4	62	25.0	941	69.9	1,135	92.9	4,102	48.4
2008	1,239	77.0	56	21.9	971	70.9	1,156	90.3	4,059	48.1
2009	1,110	68.9	43	16.2	966	69.5	1,360	100.1	3,959	47.4
2010	985	61.6	36	13.2	847	60.9	1,183	83.3	3,437	42.0
2011	892	56.3	50	18.4	804	58.4	1,101	75.3	3,171	40.1
2012	874	55.5	50	17.6	752	55.7	1,131	76.4	3,034	39.6
2013	738	46.3	35	12.0	646	48.0	1,069	69.2	2,820	37.0

NH= Non-Hispanic #= Number of live births

Birth Rate= Number of births per 1,000 females in specified race/ethnic group



#### RATE OF TEEN BIRTHS BY RACE / ETHNICITY OF MOTHER



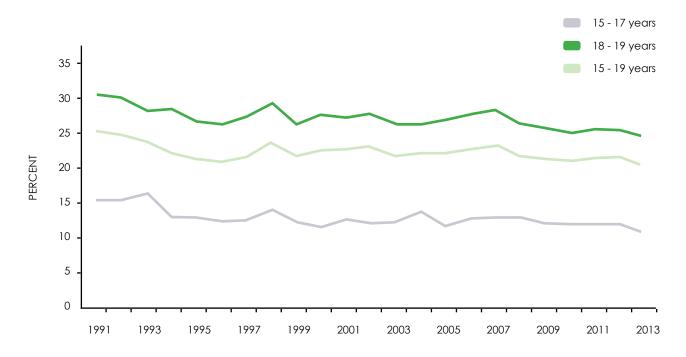


#### PERCENT OF TEEN BIRTHS WITH ONE OR MORE PREVIOUS LIVE BIRTHS BY AGE OF MOTHER

	15 - 17	years	18 - 19	years	Total (	15 - 19)
Year	#	%	#	%	#	%
1991	348	13.7	1,495	30.0	1,843	24.5
1992	345	13.5	1,392	29.6	1,737	23.9
1993	376	14.3	1,316	27.7	1,692	22.9
1994	294	10.8	1,258	27.3	1,552	21.2
1995	292	10.8	1,209	25.9	1,501	20.4
1996	271	10.1	1,212	25.2	1,483	19.8
1997	253	10.3	1,147	26.3	1,400	20.6
1998	204	11.7	938	28.3	1,142	22.6
1999	148	10.2	768	25.5	916	20.5
2000	140	9.1	879	26.8	1,019	21.2
2001	221	10.7	1,237	26.4	1,458	21.6
2002	221	10.0	1,367	26.9	1,588	21.8
2003	214	10.1	1,229	25.3	1,443	20.7
2004	253	11.8	1,184	25.2	1,437	21.0
2005	196	9.7	1,195	25.7	1,391	20.9
2006	246	10.8	1,315	26.6	1,561	21.6
2007	253	11.0	1,412	27.0	1,665	22.1
2008	247	10.7	1,313	25.3	1,560	20.8
2009	219	9.9	1,290	24.6	1,509	20.3
2010	187	9.8	1,091	23.9	1,279	19.8
2011	163	9.7	1,061	24.5	1,224	20.4
2012	162	9.8	1,015	24.4	1,177	20.3
2013	130	8.6	880	23.4	1,010	19.2



### PERCENT OF TEEN BIRTHS WITH ONE OR MORE PREVIOUS LIVE BIRTHS BY AGE OF MOTHER

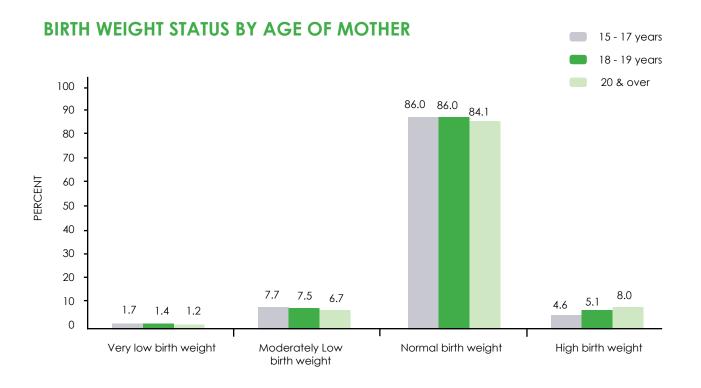




#### **BIRTH WEIGHT STATUS BY AGE OF MOTHER**

	15 - 17 years	18 - 19 years	20 & over
Birth Weight Status	%	%	%
Very low birth weight (≤1,499 grams)	1.7	1.4	1.2
Moderately low birth weight (1,500-2,449 grams)	7.7	7.5	6.7
Normal birth weight (2,500 - 3,999 grams)	86.0	86.0	84.1
High birth weight (≥ 4,000 grams)	4.6	5.1	8.0
Total	100.0	100.0	100.0
% - Percent of hirths by age of mother and hirth weight status			

%= Percent of births by age of mother and birth weight status



Source: Oklahoma State Department of Health (OSDH), Center for Health Statistics, Health Care Information, Vital Records, MCH Standardized Birth Files 2011 to 2013.

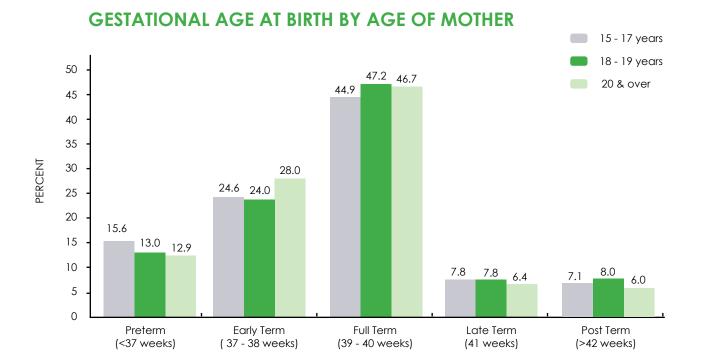




#### **GESTATIONAL AGE AT BIRTH BY AGE OF MOTHER**

	15 - 17 years	18 - 19 years	20 & over
Gestational Age	%	%	%
Preterm (< 37 weeks)	15.6	13.0	12.9
Early term (37-38 weeks)	24.6	24.0	28.0
Full term (39-40 weeks)	44.9	47.2	46.7
Late term (41 weeks)	7.8	7.8	6.4
Post term (≥ 42 weeks)	7.1	8.0	6.0
Total	100.0	100.0	100.0
%=The percent of hirths by age of mother and gestational ag	Α		

The percent of births by age of mother and gestational age







#### **BIRTH RATES FOR TEENS AGED 15-19 YEARS BY COUNTY**

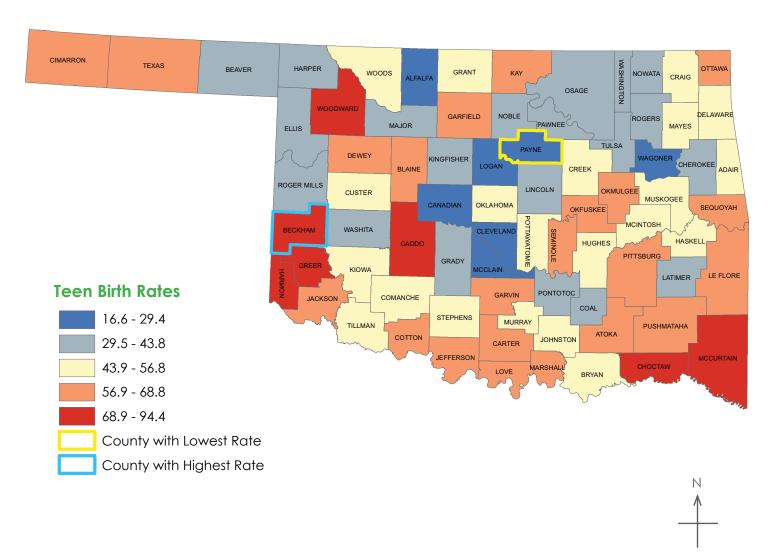
County	Live Births	Birth Rate	County	Live Births	Birth Rate	County	Live Births	Birth Rate
Adair	139	56.4	Grant	20	47.6	Nowata	38	38.0
Alfalfa	10	24.3	Greer	39	82.8	Okfuskee	64	57.9
Atoka	76	64.0	Harmon	22	80.6	Oklahoma	3,639	54.0
Beaver	24	43.6	Harper	14	37.2	Okmulgee	239	61.4
Beckham	171	94.4	Haskell	65	54.3	Osage	151	32.8
Blaine	61	68.4	Hughes	67	54.2	Ottawa	213	62.5
Bryan	229	55.4	Jackson	160	61.7	Pawnee	67	41.3
Caddo	210	72.6	Jefferson	38	66.9	Payne	189	16.6
Canadian	355	29.4	Johnston	64	51.2	Pittsburg	221	57.3
Carter	311	68.8	Kay	300	65.5	Pontotoc	170	42.1
Cherokee	240	40.3	Kingfisher	65	43.8	Pottawatomie	362	49.3
Choctaw	105	75.5	Kiowa	44	50.3	Pushmataha	66	63.4
Cimarron	10	62.1	Latimer	41	33.8	Roger Mills	14	43.2
Cleveland	603	20.9	Leflore	293	59.7	Rogers	304	32.2
Coal	23	37.0	Lincoln	138	40.9	Seminole	159	59.0
Comanche	585	47.1	Logan	100	18.7	Sequoyah 243		59.1
Cotton	36	65.7	Love	59	64.8	Stephens	213	51.9
Craig	69	52.8	Major	28	40.9	Texas	137	62.3
Creek	321	47.1	Marshall	89	62.5	Tillman	40	52.8
Custer	162	48.4	Mayes	212	52.1	Tulsa	2,563	43.7
Delaware	209	54.5	McClain	100	28.8	Wagoner	205	28.6
Dewey	24	57.6	McCurtain	247	76.0	Washington	184	37.6
Ellis	13	34.1	McIntosh	85	49.6	Washita	43	39.4
Garfield	323	59.2	Murray	55	46.7	Woods	45	51.0
Garvin	145	61.3	Muskogee	382	56.8	Woodward	153	87.5
Grady	205	40.1	Noble	37	35.2	UNKNOWN	27	
Pirth Pata- Nur	mbor of live k	oirtho nor 1 0	IOO females in speci	find ago gra	up		Oklahoma 19	001 2012

Birth Rate= Number of live births per 1,000 females in specified age group





#### TEEN BIRTH RATES (15-19 YEARS) BY COUNTY OF RESIDENCE



Notes: Teen birth rate per 1,000 females = Birth to females 15 - 19 years x 1,000

Total female population ages 15 - 19 years

National Rate (2013) 26.5 per 1,000 females Oklahoma Rate (2013) 42.9 per 1,000 females

Projection / Coordinate System: USGS Albers Equal Area Conic

Data Source: Oklahoma State Department of Health, Health Care Information, Birth Certificate Data

Maternal and Child Health Service

Oklahoma State Department of Health

Created: 04.17.2015

Disclaimer: This map is a compilation of records, information and data from various city, county and state offices and other sources, affecting the area shown, and is the best representation of the data available at the time. The map and data are to be used for reference purposes only. The user acknowledges and accepts all inherent limitations of the map, including the fact that the data are dynamic and in a constant state of maintenance.



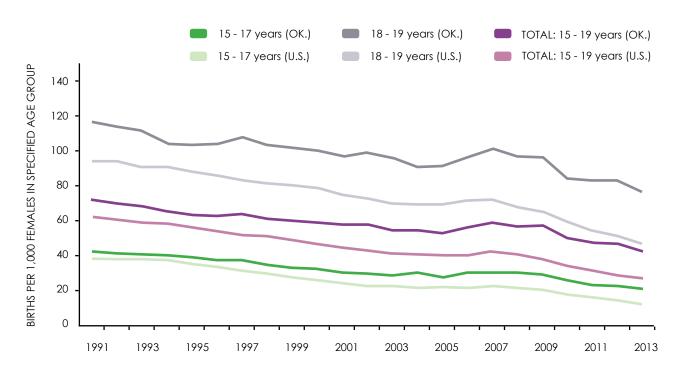
#### TEEN BIRTH RATES BY AGE OF MOTHER - OKLAHOMA & THE U.S.

	15 - 17 years 18 - 19 years			years	Total (15 - 19)		
Year	OK	US	OK	US	OK	US	
1991	41.6	38.6	115.9	94.0	72.1	61.8	
1992	41.0	37.6	113.5	93.6	69.8	60.3	
1993	40.3	37.5	110.5	91.1	68.3	59.0	
1994	40.4	37.2	103.9	90.2	65.6	58.2	
1995	38.6	35.5	102.8	87.7	63.7	56.0	
1996	37.1	33.3	103.9	84.7	63.1	53.5	
1997	36.9	31.4	106.4	82.1	63.7	51.3	
1998	34.8	29.9	102.5	80.9	61.4	50.3	
1999	33.0	28.2	100.6	79.1	60.1	48.8	
2000	32.6	26.9	99.5	78.1	59.7	47.7	
2001	30.5	24.5	97.2	75.5	57.8	45.0	
2002	29.6	23.1	98.7	72.2	57.7	42.6	
2003	28.3	22.2	94.5	69.6	55.3	41.1	
2004	28.9	21.8	90.9	68.7	54.4	40.5	
2005	26.8	21.1	91.0	68.4	52.8	39.7	
2006	29.9	21.6	96.1	71.2	56.6	41.1	
2007	29.9	21.7	100.6	71.7	58.5	41.5	
2008	30.3	21.1	96.8	68.2	57.8	40.2	
2009	29.4	19.6	96.0	64.0	57.4	37.9	
2010	25.9	17.3	83.8	58.2	50.4	34.2	
2011	22.9	15.4	82.7	54.1	47.8	31.3	
2012	22.8	14.1	83.1	51.4	47.3	29.4	
2013	20.5	12.3	76.1	47.1	42.9	26.5	
% Difference							
1991-2013	50.7	68.1	34.3	49.9	40.5	57.1	
2008-2013	32.3	41.7	21.4	30.9	25.8	34.1	
Birth Rate= Number of I	pirths per 1,000 fe	emales in specifie	ed age group.		Oklahor	ma 1991 - 2013	

US Data Source: Martin JA, Hamilton BE, Osterman MJK, et al. Births: Final data for 2013. National vital statistics reports; vol 64 no 1. Hyattsville, MD: National Center for Health Statistics. 2015



#### TEEN BIRTH RATES BY AGE OF MOTHER - OKLAHOMA & THE U.S.



Oklahoma 1991 - 2013

Oklahoma Data Source 1991-2012: Ventura SJ, Hamilton BE, Mathews TJ. National and state patterns of teen births in the United



#### **TEEN BIRTH RATES - STATE RANKINGS 2013**

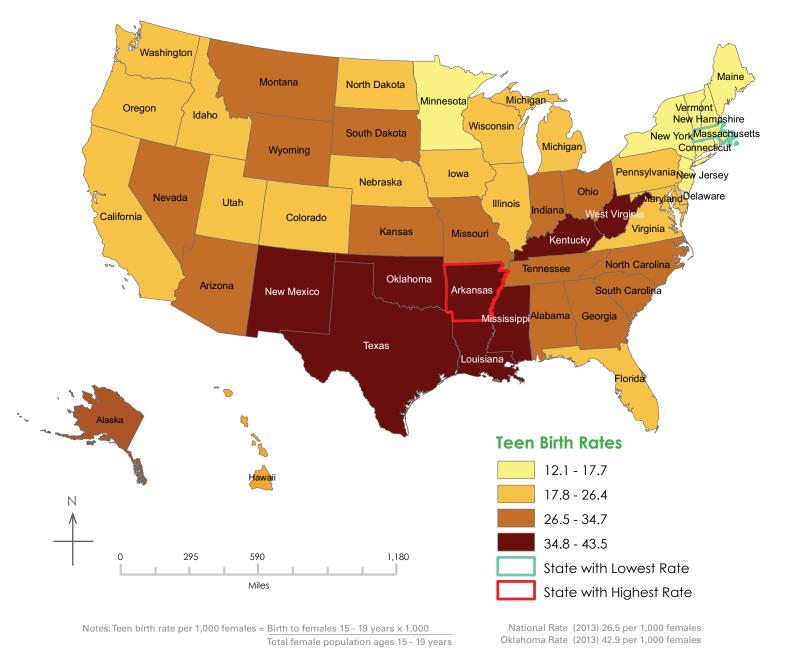
15 - 17 years			18 - 19 years			Total (15 - 19)		
State	Rate	te Rank	State	Rate	Rank	State	Rate	Rank
							40.	
District of Columbia	23.9	1	Arkansas	82.7	1	Arkansas	43.5	
New Mexico	22.3	2	Oklahoma	76.1	2	New Mexico	43.3	
Texas	21.1	3	Mississippi	75.4		Oklahoma	42.9	
Oklahoma	20.5	4	New Mexico	74.2		Mississippi	42.6	
Mississippi	19.5	5	Kentucky	74.1	5	Texas	41.0	_
Arkansas	18.3	6	West Virginia	73.4		West Virginia	40.	
Louisiana	17.4	7	Louisiana	72.2		Kentucky	39.5	
West Virginia	17.1	8	Texas	72.0	8	Louisiana	39.2	
Kentucky	16.7	9	Tennessee	64.0		Tennessee	34.7	
Alabama	15.8	10	Alaska	63.2		Alabama	34.3	
Arizona	15.3	11	Nevada	61.5		Arizona	33.	
Tennessee	15.1	12	Alabama	61.4	12	District of Columbia		
South Carolina	14.5	13	Arizona	59.7	13	South Carolina	31.6	5 13
Georgia	13.9	14	Missouri	55.7	14	Georgia	30.5	5 14
Indiana	13.6	15	South Carolina	55.0		Alaska	30.3	
South Dakota	13.2	16	Georgia	54.9	16	Indiana	30.3	
North Carolina	13.1	17	Indiana	54.9	16	Nevada	30.3	
Wyoming	13.0	18	Kansas	54.6	18	Missouri	30.0	
Missouri	12.6	19	Wyoming	54.1	19	Kansas	29.6	
Montana	12.6	19	Idaho	51.8	20	Wyoming	29.6	
Kansas	12.5	21	South Dakota	51.3		South Dakota	29.	
Nevada	12.4	22	Montana	50.0		North Carolina	28.4	
Delaware	12.4	23	Ohio	50.0		Montana	27.9	
Illinois	11.7	23 24	North Carolina	49.8		Ohio	27.2	
	11.6	25	Hawaii	48.0		Idaho	25.7	
Colorado			Florida	46.0 45.5		Hawaii	25.7 25.7	
Ohio	11.6	25					23. 24.9	
Nebraska	11.4	27	Illinois	44.0		Nebraska		
California	11.1	28	Nebraska	43.5		Delaware	24.7	
Alaska	11.0	29	Michigan	42.5		Florida	24.6	
Florida	10.8	30	California	41.9	30	Illinois	24.6	
Michigan	10.6	31	North Dakota	40.6	31	North Dakota	24.	
Hawaii	10.4	32	Colorado	40.5		California	23.6	
Pennsylvania	10.3	33	Delaware	39.9	33	Michigan	23.	
North Dakota	9.9	34	Oregon	39.4		Colorado	23.4	
owa	9.8	35	Utah	39.0		lowa	22.	
Oregon	9.7	36	Washington	38.7	36	Oregon	21.6	3
Rhode Island	9.3	37	lowa	38.6	37	Pennsylvania	20.9	9 3
daho	9.2	38	District of Columbia	37.4	38	Utah	20.	3
Maryland	9.1	39	Virginia	36.5	39	Washington	20.5	5 3
Washington	8.8	40	Wisconsin	35.2	40	Virginia -	20.	1 4
Utah	8.6	41	Pennsylvania	34.6		Wisconsin	19.6	
Wisconsin	8.5	42	Maryland	34.1	42	Maryland	19.4	
New York	8.3	43	Maine	31.8		New York	17.7	
Virginia	8.0	44	Minnesota	30.5		Rhode Island	17.7	
Minnesota	7.3	45	New York	30.5		Maine	17.4	
Maine	7.3 7.1	46	New Jersey	27.6		Minnesota	16.8	
New Jersey	6.8	47	Rhode Island	26.3		New Jersey	14.8	
,	6.8 6.2		Vermont	26.3 24.7		Vermont	14.8	
Connecticut		48 40	I			•		
Massachusetts	6.0	49 50	New Hampshire	22.8		Connecticut	12.9	
Vermont	4.9	50	Connecticut	22.0		New Hampshire	12.0	
New Hampshire	4.7	51	Massachusetts	19.1	51	Massachusetts	12.	1 5

Bordering state are highlighted in grey. Oklahoma is highlighted in a shade of green. Source: Martin JA, Hamilton BE, Osterman MJK, et al. Births: Final data for 2013. National vital statistics reports; vol 64 no 1. Hyattsville, MD: National Center for Health Statistics. 2015.





#### TEEN BIRTH RATES (15-19 YEARS) BY STATE: UNITED STATES 2013



Projection / Coordinate System: USGS Albers Equal Area Conic

Data Source: Martin JA, Hamilton BE, Osterman MJK, et al. Births: Final data for 2013. National vital statistics reports; vol 64 no. 1. Hyattsville, MD: National Center for Health Statistics 2015.

Maternal and Child Health Service
Oklahoma State Department of Health

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Disclaimer: This map is a compilation of records, information and data from various city, county and state offices and other sources, affecting the area shown, and is the best representation of the data available at the time. The map and data are to be used for reference purposes only. The user acknowledges and accepts all inherent limitations of the map, including the fact that the data are dynamic and in a constant state of maintenance.



1991 - 2013





